

1 Abstract of the Invention

2 This invention is an improved tilt lock device for chairs having a spindle and piston for
3 raising and lowering the chair. The improvement consists of a pawl plate for engagement with
4 the piston where the pawl plate is integral with a locking shaft that extends from the chair. The
5 pawl plate contains a barrier rib that is disposed in the upper surface of the plate and is
6 compressively biased by a torsion spring extension. Axial displacement of the locking shaft is
7 precluded when the torsion spring is in bias engagement with the barrier rib. To overcome the
8 bias, the locking shaft requires the application of an axial external force and remains locked until
9 such force overcomes the bias of the barrier rib.